

Title (en)
DEVICE FOR MULTIPARAMETRIC ASSAYS

Title (de)
VORRICHTUNG FÜR MULTIPARAMETRISCHE ASSAYS

Title (fr)
DISPOSITIF POUR ANALYSES MULTIPARAMÉTRIQUES

Publication
EP 2328682 A2 20110608 (EN)

Application
EP 09765927 A 20090619

Priority
• EP 2009057694 W 20090619
• EP 08158551 A 20080619
• EP 09765927 A 20090619

Abstract (en)
[origin: EP2135674A1] An assay device (C) compatible with multi-well format for performing a biological reaction between capture and target molecules, comprising: - a cap (A) comprising side walls (7), and top surface (5) and a bottom surface (6), wherein the top surface (5) and bottom surface (6) are connected by at least one inlet channel (10) and at least one outlet channel (11) and wherein the top surface (5) of the cap (A) comprises a stopper indentation (15), - a well (B) comprising side walls (3) and a bottom surface (4) upon which capture molecules are immobilized, - wherein the cap (A) and the well (B) are made of different polymeric materials being preferably cycloolefin polymer for the cap (A) and polypropylene for the well (B), - wherein the side walls (7) of the cap (A) and the side walls (3) of the well (B) comprises complementary screwing means (12,13) to seal the cap (A) inside the well (B) to form a chamber (1) between the bottom surface (6) of the cap (A) and the bottom surface (4) of the well (B) and wherein the two said surfaces are essentially parallel to each other with a variation of distance between the two surfaces lower than 100 µm, better lower than 20 µm and , - wherein the chamber (1) has a height of less than 5 mm, preferably less than 2 mm and which is vapour and fluid tight, when the cap (A) is sealed inside the well (B).

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